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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,692	06/22/2006	Barrett W. Allan	X-16757	1664
25885 ELI LILLY & (7590 07/16/200 COMPANY	EXAMINER		
PATENT DIVI		DAHLE, CHUN WU		
P.O. BOX 6288 INDIANAPOL	IS, IN 46206-6288	ART UNIT	PAPER NUMBER	
			1644	
			NOTIFICATION DATE	DELIVERY MODE
			07/16/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@lilly.com

		Applica	ation No.	Applicant(s)		
Office Action Summary		10/584	,692	ALLAN ET AL.		
		Examin	ier	Art Unit		
		CHUNI	DAHLE	1644		
Period fo	The MAILING DATE of this communica	tion appears on t	the cover sheet w	ith the correspondence a	nddress	
A SH WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAIL asions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this community period for reply is specified above, the maximum statute te to reply within the set or extended period for reply will reply received by the Office later than three months after ad patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF 87 CFR 1.136(a). In no cation. ory period will apply and by statute, cause the a	THIS COMMUNI event, however, may a d will expire SIX (6) MON application to become Al	CATION. reply be timely filed NTHS from the mailing date of this BANDONED (35 U.S.C. § 133).	·	
Status						
2a)⊠	Responsive to communication(s) filed of This action is FINAL . 2b) Since this application is in condition for closed in accordance with the practice	☐ This action is allowance exce	s non-final. pt for formal mat	• •	ne merits is	
Dispositi	on of Claims					
5)□ 6)⊠ 7)□ 8)□ Applicati 9)□	Claim(s) 21-24 is/are pending in the ap 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) 21-24 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction on Papers The specification is objected to by the E The drawing(s) filed on is/are: a Applicant may not request that any objection	withdrawn from one of the withdrawn from on	n requirement. b)∐ objected to	•		
11)□	Replacement drawing sheet(s) including the The oath or declaration is objected to be	e correction is req	uired if the drawing	(s) is objected to. See 37 (
•	ınder 35 U.S.C. § 119	,				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	-948)	Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application 		

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DETAILED ACTION

1. Applicant's amendment, filed on April 11, 2009, is acknowledged.

Claims 1-20 and 25 have been previously canceled.

Claims 21-24 are pending and currently under consideration as they read on the elected species of a monoclonal antibody comprising a variant of a parent human Fc region, wherein the amino acid sequence of the parent Fc region is SEQ ID NO:1, and wherein the variant consists of a parent human Fc region substituted at position 247 with isoleucine.

2. This Office Action will be in response to applicant's arguments, filed on April 1, 2009.

The rejections of record can be found in the previous Office Action, mailed on October 2, 2009.

- 4. In view of applicant's amendment to the claims, the prior rejection, under 35 U.S.C. 112, second paragraph, has been withdrawn.
- 5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 21-24 stand rejected under 35 U.S.C. 102(e) as being anticipated by Lazar et al. (US 2004/0132101) for the reasons of record.

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Applicant's arguments in conjunction with various legal citations, filed on April 1, 2009, have been fully considered but have not been found persuasive.

Applicant argues that Lazar et al. only teach glycine and valine substitution in position 247. Thus, applicant asserts that the reference does not meet each and every feature of the instant claims, drawn to amino acid substitution in position 247 of the human IgG Fc with residues leucine and isoleucine. Thus, applicant argues the rejection should be withdrawn.

This is not found persuasive for following reasons:

In contrast to applicant's assertion, it is noted that prior art must be considered in its entirety. See MPEP 2141.02. Here, contrary to applicant's reliance upon the preferred examples of 247G and 247V of the prior art, the prior art provide detailed methods of making and using Fc variants, including human IgG 1-4 with substitution in position 247 with all 20 naturally occurring amino acid residues, including leucine and isoleucine (e.g. see Table 55 on pages 52-54). The 247 variants, 247L and 247I, fall within the favorite substitutions because they have small energy difference from the lowest energy substitutions (e.g. see paragraph [0254] on page 50). Given that the prior art clearly teaches 247L and 247I, it would read onto the claimed invention. Therefore, applicant's arguments have not been found persuasive.

- 7. Conclusion: no claim is allowed.
- 8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chun Dahle whose telephone number is 571-272-8142. The

examiner can normally be reached on 8:30-5:00. If attempts to reach the examiner by telephone

are unsuccessful, the examiner's supervisor Ram Shukla can be reached 571-272-0735. The fax

phone number for the organization where this application or proceeding is assigned is 571-273-

8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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Chun Dahle

Patent Examiner

July 10, 2009

/Maher M. Haddad/

Primary Examiner,

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